



PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Gregory Collier, et al.	Examiner:	Unassigned
Serial No:	10/039,050	Art Unit:	1653
Filed:	December 31, 2001	Docket:	12785
For:	NOVEL GENES AND THEIR USE IN THE MODULATION OF OBESITY, DIABETES AND ENERGY IMBALANCE	Dated:	August 25, 2003

Commissioner for Patents
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§ 1.97 and 1.98, it is requested that the following references, which are listed on the attached Form PTO-1449, be made of record in the above-identified case.

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, P. O. Box 1450, Alexandria, VA 22313-1450 on August 25, 2003.

Dated: August 25, 2003



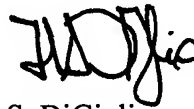
Frank S. DiGiglio

Applicants are submitting copies of the above-cited references.

Consideration of this Information Disclosure Statement is respectfully requested, since the art provided may be material to the examination of the present application as defined under 37 C.F.R. §1.56.

Inasmuch as this Information Disclosure Statement is being submitted in accordance with the schedule set out in 37 C.F.R. § 1.97(b), no statement or fee is required.

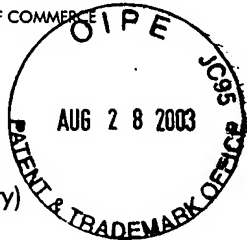
Respectfully submitted,

A handwritten signature in black ink, appearing to read 'F. DiGiglio'.

Frank S. DiGiglio
Registration No. 31,346

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FSD/XZ:ab

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (REV. 7-80) PATENT AND TRADEMARK OFFICE				Atty. Docket N . 12785		Serial No. 10/039,050	
LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)				Applicant Gregory Collier, et al.			
				Filing Date December 31, 2001		Group 1653	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)
	1	6,160,104	12/12/00	Cunningham et al.			
	2	6,160,105	12/12/00	Cunningham et al.			

FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
	3	WO 96/05861	29/02/96	Australia			

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)	
4	Lin, X., et al., (1998) "Differential Expression of Insulin Receptor Tyrosine Kinase Inhibitor (Fetun) Gene In A Model of Diet-Induced Obesity", <u>Life Sciences</u> 63(2): 145-153
5	Borthwick, E. B., et al., (1995) "Differential expression of hepatic oestrogen, phenol and dehydroepiandrosterone sulphotransferases in genetically obese diabetic (<i>ob/ob</i>) male and female mice", <u>Journal of Endocrinology</u> 144:31-37
6	Lundwall, A.B., et al. (1985) "Isolation and Sequence Analysis of a cDNA Clone Encoding the Fifth Complement Component", <u>The Journal of Biological Chemistry</u> 260(4): 2108-2112
7	Wetzel, R. A., et al. (1990) "Deficiency of the Murine Fifth Complement Component (C5)", <u>The Journal of Biological Chemistry</u> 265(5): 2435-2440
8	GenPept Accession Number AAF67483
9	EMBL Accession Number AF157317
10	Barnett, M., et al. (1994) "A cross-sectional and short-term longitudinal characterization of NIDDM in <i>Psammomys obesus</i> ", <u>Diabetologia</u> 37: 671-676

EXAMINER	DATE CONSIDERED
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Use several sheets if necessary)



Serial N . 10/039.050

Filing Date
December 31, 2001

**Group
1653**

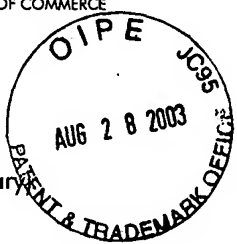
EXAMINER INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)

[illegible]

11	Barnett, M., et al. (1994) "The effect of restricting energy intake on diabetes in <i>Psammomys obesus</i> ", <u>International Journal of Obesity</u> 18 : 789-794
12	Bennett, S. A., et al. (1994) "Trends in cardiovascular risk factors in Australia: Results from the National Heart Foundation's Risk Factor Prevalence Study, 1980-1989", <u>Med J Aust</u> 161 : 519-527
13	Bonner, T. I., et al. (1973) "Reduction in the Rate of DNA Reassociation by Sequence Divergence", <u>J. Mol. Biol.</u> 81 : 123-135
14	Collier, G. R., et al. (1997) "Development of Obesity and Insulin Resistance in the Israeli Sand Rat (<i>Psammomys obesus</i>): Does Leptin Play a Role?", <u>Ann New York Acad Sci</u> 821 : 50-63
15	Collier, G. R., et al. (1997) "Diabetes, obesity and leptin in the Israeli sand rat (<i>Psammomys obesus</i>)", <u>Exp Clin Endocrinol Diabetes</u> 105 : 36-37
16	DeFronzo, R. A. (1988) "The Triumvirate: β -Cell, Muscle, Liver: A Collusion Responsible for NIDDM" <u>Diabetes</u> 37 : 667-688
17	Flegal, K. M., et al. (1998) "Overweight and obesity in the United States: prevalence and trends, 1960-1994", <u>International Journal of Obesity</u> 22 : 39-47

DATE CONSIDERED

* **EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (REV. 7-80) PATENT AND TRADEMARK OFFICE LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)				Atty. Docket No. 12785		Serial N. 10/039,050	
Applicant Gregory Collier, et al.				Filing Date December 31, 2001		Group 1653	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)	

FOREIGN PATENT DOCUMENTS							
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
					YES	NO	

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)				
18	Harris, M. I. (1998) "Diabetes in America: Epidemiology and Scope of the Problem", <u>Diabetes Care</u> 21 (Suppl 3): C11-C14			
19	Jonsson, B. (1998) "The Economic Impact of Diabetes", <u>Diabetes Care</u> 21 (Suppl 3): C7-C10			
20	Kalderon, B., et al. (1986) "Characterization of Stages in Development of Obesity-Diabetes Syndrome in Sand Rat (<i>Psammomys obesus</i>)", <u>Diabetes</u> 35: 717-724			
21	Martikainen, P.T., et al. (1999) "Socioeconomic differences in weight gain and determinants and consequences of coronary risk factors ¹⁻³ ", <u>Am J Clin Nutr</u> 69: 719-726			
22	Shafrir, E., et al. (1993) " <i>Psammomys Obesus</i> Of The Jerusalem Colony: A Model For Nutritionally Induced, Non-Insulin-Dependent Diabetes", <u>J Basic Clin Physiol Pharm</u> 4: 83-99			
23	Story, M., et al. (1999) "The epidemic of obesity in American Indian communities and the need for childhood obesity-prevention programs ¹⁻³ ", <u>Am J Clin Nutr</u> 69: 747S-754S			
24	Walder, K., et al. (1997) "The Effect of Dietary Energy Restriction on Body Weight Gain and the Development of Noninsulin-Dependent Diabetes Mellitus (NIDDM) in <i>Psammomys obesus</i> ", <u>Obesity Res</u> 5: 193-200			
25	Zhang, Y., et al. (1994) " Positional cloning of the mouse obese gene and its human homologue", <u>Nature</u> 372: 425-432			
<table style="width: 100%; border: none;"> <tr> <td style="width: 40%; border-top: 1px solid black; border-bottom: 1px solid black;">EXAMINER</td> <td style="width: 60%; border-top: 1px solid black; border-bottom: 1px solid black;">DATE CONSIDERED</td> </tr> </table>			EXAMINER	DATE CONSIDERED
EXAMINER	DATE CONSIDERED			

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
12785

In Re Application: **Gregory Collier, et al.**

Serial No.

10/039,050

Filing Date

December 31, 2001

Examiner

Unassigned

Group Art Unit

1653

**NOVEL GENES AND THEIR USE IN THE MODULATION OF OBESITY, DIABETES AND
ENERGY IMBALANCE**

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of _____ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. **19-1013/SSMP**
as described below.
- ☐ Charge the amount of _____
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- ☒ Charge any additional fee required.

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addressed to the Commissioner for Patents, P.O. Box
1450, Alexandria, VA 22313-1450.

Signature

Frank S. DiGiglio

Typed or Printed Name

*This certificate may only be used if paying by
deposit account.

Signature

Dated: August 25, 2003

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1647 1653

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(c))			Docket No. 12785
In Re Application Of: Gregory Collier, et al.			
Serial No. 10/039,030	Filing Date December 31, 2001	Examiner Unassigned	Group Art Unit 1653
Title: NOVEL GENES AND THEIR USE IN THE MODULATION OF OBESITY, DIABETES AND ENERGY IMBALANCE			
Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450			
37 CFR 1.97(b)			
1. <input checked="" type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.			
37 CFR 1.97(c)			
2. <input type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:			
<input type="checkbox"/> the statement specified in 37 CFR 1.97(e);			
OR			
<input type="checkbox"/> the fee set forth in 37 CFR 1.17(p).			